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April 11, 2003

Commissioner for Patents  
Washington, D.C. 20231

Re: U.S. Patent Application No.: 10/061961  
For: *METHODS FOR DETERMINING A NUCLEOTIDE AT A SPECIFIC  
LOCATION WITHIN A NUCLEIC ACID MOLECULE*  
Inventors: Smith, Douglas R. *et al.*  
Filed: February 1, 2002  
Our Ref. No.: GEN-009

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement (in duplicate);
2. PTO Form 1449;
3. Copies of the references cited in PTO Form 1449 (29);
4. A Statement of Limited Recognition Under 37 CFR §10.9(b); and
5. A Return Postcard.

No additional costs are believed to be due in connection with the filing of this Supplemental Information Disclosure Statement. However, please charge any other necessary fees due in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on:

April 11, 2003

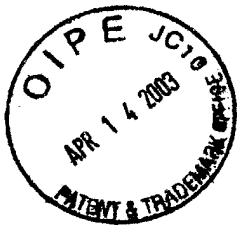
Date

Maria Laccotripe Zacharakis, Ph.D., Limited Recognition Under 37 CFR §10.9(b)

Respectfully submitted,  
LAHIVE & COCKFIELD, LLP

Maria Laccotripe Zacharakis, Ph.D.  
Attorney for Applicants  
Limited Recognition Under 37 CFR §10.9(b)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Smith, Douglas R. *et al.*

Serial No.: 10/061961

Filed: February 1, 2002

For: *METHODS FOR DETERMINING A  
NUCLEOTIDE AT A SPECIFIC LOCATION WITHIN  
A NUCLEIC ACID MOLECULE*

Attorney Docket No.: GEN-009

Group Art Unit: 1645

Examiner: Not yet assigned

Commissioner for Patents  
Washington, D.C. 20231

**Certificate of First Class Mailing (37 CFR §1.8(a))**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on the date set forth below.

April 11, 2003

Date of Signature and of Mail Deposit

By:

Maria Laccotripe Zacharakis, Ph.D.

Attorney for Applicants

Limited Recognition Under 37 CFR §10.9(b)

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

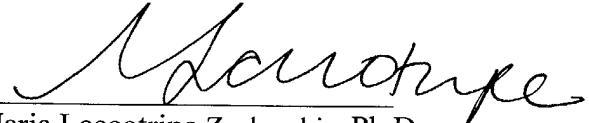
Applicants and their Attorney are aware of the following publications and information, listed on the attached PTO Form 1449, and in accordance with 37 CFR §1.97 hereby submit these publications for the Examiner's consideration. A copy of each cited publication is enclosed.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists.

Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, the Applicants understand that the Examiner will make an independent evaluation of the cited publications.

Under 37 CFR § 1.97(b)(3), no additional costs are believed to be due in connection with the filing of this disclosure. If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 CFR §1.17(p) to our Deposit Order Account No. 12-0080.

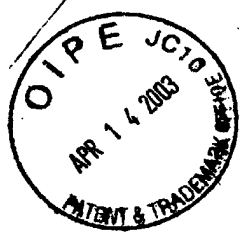
Respectfully submitted,  
LAHIVE & COCKFIELD, LLP



Maria Laccotripe Zacharakis, Ph.D.  
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Limited Recognition Under 37 CFR §10.9(b)

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Date: April 11, 2003  
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Enclosures




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UNITED STATE PATENT AND TRADEMARK OFFICE**

**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

Maria C. Laccotripe Zacharakis is hereby given limited recognition under 37 CFR §10.9(b) as an employee of Lahive & Cockfield, LLP, to prepare and prosecute patent applications where the patent applicant is the client of Lahive & Cockfield, LLP, and the attorney or agent of record in the applications is a registered practitioner who is a member of the Lahive & Cockfield, LLP. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Maria C. Laccotripe Zacharakis ceases to lawfully reside in the United States, (ii) Maria C. Laccotripe Zacharakis' employment with Lahive & Cockfield, LLP ceases or is terminated, or (iii) Maria C. Laccotripe Zacharakis ceases to remain or reside in the United States on an H-1 visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

**Expires: August 5, 2003**

  
Harry I. Moatz  
Director of Enrollment and Discipline

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 REV 7-80

 U.S. DEPARTMENT OF  
 COMMERCE  
 PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO

SERIAL NO.

GEN-009

10/061961

APPLICANT

Smith, Douglas R. *et al.*

FILING DATE

February 1, 2002

GROUP

1645

 LIST OF PUBLICATIONS CITED BY APPLICANT  
 (Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	4,656,127	04/87	Mundy	435	6	
	A2	4,851,331	07/89	Vary <i>et al.</i>	435	6	
	A3	5,391,480	02/95	Davis <i>et al.</i>	435	6	
	A4	5,888,819	03/99	Goelet <i>et al.</i>	435	5	
	A5	6,013,431	01/00	Söderlund <i>et al.</i>	435	5	
	A6	6,107,061	08/00	Johnson	435	91.1	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	A7	WO 00/09745 A1	02/00	WO			YES NO

## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

	A8	Amselem, S. <i>et al.</i> "Determination of the spectrum of beta-thalassemia genes in Spain by use of dot-blot analysis of amplified beta-globin DNA." <i>Am. J. Hum. Genet.</i> 1988 Jul;43(1):95-100
	A9	Brutlag, D. <i>et al.</i> "Enzymatic synthesis of deoxyribonucleic acid. 36. A proofreading function for the 3' leads to 5' exonuclease activity in deoxyribonucleic acid polymerases." <i>J. Biol. Chem.</i> 1972 Jan 10;247(1):241-8
	A10	Chen, X. <i>et al.</i> "Stable-isotope-assisted MALDI-TOF mass spectrometry for accurate determination of nucleotide compositions of PCR products." <i>Anal. Chem.</i> 1999 Aug 1;71(15):3118-25
	A11	Fei, Z. <i>et al.</i> "MALDI-TOF mass spectrometric typing of single nucleotide polymorphisms with mass-tagged ddNTPs." <i>Nucleic Acids Res.</i> 1998 Jun 1;26(11):2827-8
	A12	Haff, L.A. <i>et al.</i> "Single-nucleotide polymorphism identification assays using a thermostable DNA polymerase and delayed extraction MALDI-TOF mass spectrometry." <i>Genome Res.</i> 1997 Apr;7(4):378-88
	A13	Haff, L.A. <i>et al.</i> "Multiplex genotyping of PCR products with MassTag-labeled primers." <i>Nucleic Acids Res.</i> 1997 Sep 15;25(18):3749-50
	A14	Harksen, A. <i>et al.</i> "Four common mutations of the cystathionine beta-synthase gene detected by multiplex PCR and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry." <i>Clin. Chem.</i> 1999 Aug;45(8 Pt 1):1157-61
	A15	Herning, T. <i>et al.</i> "Specific liquid DNA hybridization kinetics measured by fluorescence polarization." <i>Anal. Chim. Acta.</i> 1991;244:207-213
	A16	Li, J. <i>et al.</i> "Single nucleotide polymorphism determination using primer extension and time-of-flight mass spectrometry." <i>Electrophoresis.</i> 1999 Jun;20(6):1258-65
Examiner		Date Considered
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

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10/061961

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Smith, Douglas R. *et al.*

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**1645**

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Examiner

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